

12/28/01

01-03-02

PTO/SB/05 (11-00)

Please type a plus sign (+) inside this box → ☒

Approved for use through 10/31/2002. OMB 0651-0002

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**UTILITY
PATENT APPLICATION
TRANSMITTAL**

(Only for new nonprovisional applications under 37 CFR 1.53(b))

| | |
|------------------------|---|
| Attorney Docket No. | NGB/12833 |
| First Inventor | NAGANO, Tetsuya et al. |
| Title | Grating, Negative and Replica Gratings of the.... |
| Express Mail Label No. | EV004939439 US |

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

1. ☒ Fee Transmittal Form (e.g., PTO/SB/17)
(Submit an original and a duplicate for fee processing)
2. ☐ Applicant claims small entity status.
See 37 CFR 1.27.
3. ☒ Specification [Total Pages 19]
(preferred arrangement set forth below)
 - Descriptive title of the invention
 - Cross Reference to Related Applications
 - Statement Regarding Fed sponsored R & D
 - Reference to sequence listing, a table, or a computer program listing appendix
 - Background of the Invention
 - Brief Summary of the Invention
 - Brief Description of the Drawings (if filed)
 - Detailed Description
 - Claim(s)
 - Abstract of the Disclosure
4. ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets 6]
5. Oath or Declaration [Total Pages 2]
 - a. ☒ Newly executed (original or copy)
 - b. ☐ Copy from a prior application (37 CFR 1.63 (d))
(for continuation/divisional with Box 18 completed)
 - i. ☐ **DELETION OF INVENTOR(S)**
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
6. ☒ Application Data Sheet. See 37 CFR 1.76

ADDRESS TO:Assistant Commissioner for Patents
Box Patent Application
Washington, DC 20231

7. ☐ CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
 - a. ☐ Computer Readable Form (CRF)
 - b. Specification Sequence Listing on:
 - i. ☐ CD-ROM or CD-R (2 copies); or
 - ii. ☐ paper
 - c. ☐ Statements verifying identity of above copies

ACCOMPANYING APPLICATION PARTS

9. ☐ Assignment Papers (cover sheet & document(s))
10. ☐ 37 CFR 3.73(b) Statement (when there is an assignee) ☐ Power of Attorney
11. ☐ English Translation Document (if applicable)
12. ☐ Information Disclosure Statement (IDS)/PTO-1449 ☐ Copies of IDS Citations
13. ☐ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503) (Should be specifically itemized)
15. ☐ Certified Copy of Priority Document(s) (if foreign priority is claimed)
16. ☐ Request and Certification under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.
17. ☐ Other:

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP)

of prior application No.: _____/_____

Prior application information:

Examiner _____

Group Art Unit: _____

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.**19. CORRESPONDENCE ADDRESS**

Customer Number or Bar Code Label

007609

(Insert Customer No. or Attach bar code label here)

or ☐

Correspondence address below

Name

Rankin, Hill, Porter & Clark LLP

Address

925 Euclid Avenue, Suite 700

City

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State

Ohio

Zip Code

44115-1405

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U.S.A.

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Name (Print/Type)

David E. Spaw

Registration No. (Attorney/Agent)

34,732

Signature

Date

12/28/2001

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**FEE TRANSMITTAL
for FY 2002**

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT (\$) **908.00****Complete if Known**

| | |
|----------------------|------------------------|
| Application Number | |
| Filing Date | 12/28/2001 |
| First Named Inventor | NAGANO, Tetsuya et al. |
| Examiner Name | |
| Group Art Unit | |
| Attorney Docket No. | NGB/12833 |

METHOD OF PAYMENT

- 1.
- ☒
- The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:

Deposit Account Number **18-0160**Deposit Account Name **Rankin, Hill, Lewis & Clark**

- ☒
- Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17

☐ Applicant claims small entity status. See 37 CFR 1.27

- 2.
- ☒
- Payment Enclosed:**

☒ Check ☐ Credit card ☐ Money Order ☐ Other**FEE CALCULATION****1. BASIC FILING FEE**

| Large Entity Fee Code (\$) | Small Entity Fee Code (\$) | Fee Description | Fee Paid |
|----------------------------|----------------------------|------------------------|----------|
| 101 740 | 201 370 | Utility filing fee | 740 |
| 106 330 | 206 165 | Design filing fee | |
| 107 510 | 207 255 | Plant filing fee | |
| 108 740 | 208 370 | Reissue filing fee | |
| 114 160 | 214 80 | Provisional filing fee | |

SUBTOTAL (1) (\$) **740****2. EXTRA CLAIM FEES**

| Total Claims | Extra Claims | Fee from below | Fee Paid |
|--------------------|--------------|----------------|----------|
| 7 | -20** = 0 | X 0 | 0 |
| 5 | -3** = 2 | X 84 | 168 |
| Multiple Dependent | | | 0 |

| Large Entity Fee Code (\$) | Small Entity Fee Code (\$) | Fee Description |
|----------------------------|----------------------------|--|
| 103 18 | 203 9 | Claims in excess of 20 |
| 102 84 | 202 42 | Independent claims in excess of 3 |
| 104 280 | 204 140 | Multiple dependent claim, if not paid |
| 109 84 | 209 42 | ** Reissue independent claims over original patent |
| 110 18 | 210 9 | ** Reissue claims in excess of 20 and over original patent |

SUBTOTAL (2) (\$) **168**

**or number previously paid, if greater; For Reissues, see above


FEE CALCULATION (continued)**3. ADDITIONAL FEES**

| Large Entity Fee Code (\$) | Small Entity Fee Code (\$) | Fee Description | Fee Paid |
|----------------------------|----------------------------|--|----------|
| 105 130 | 205 65 | Surcharge - late filing fee or oath | |
| 127 50 | 227 25 | Surcharge - late provisional filing fee or cover sheet | |
| 139 130 | 139 130 | Non-English specification | |
| 147 2,520 | 147 2,520 | For filing a request for <i>ex parte</i> reexamination | |
| 112 920* | 112 920* | Requesting publication of SIR prior to Examiner action | |
| 113 1,840* | 113 1,840* | Requesting publication of SIR after Examiner action | |
| 115 110 | 215 55 | Extension for reply within first month | |
| 116 400 | 216 200 | Extension for reply within second month | |
| 117 920 | 217 460 | Extension for reply within third month | |
| 118 1,440 | 218 720 | Extension for reply within fourth month | |
| 128 1,960 | 228 980 | Extension for reply within fifth month | |
| 119 320 | 219 160 | Notice of Appeal | |
| 120 320 | 220 160 | Filing a brief in support of an appeal | |
| 121 280 | 221 140 | Request for oral hearing | |
| 138 1,510 | 138 1,510 | Petition to institute a public use proceeding | |
| 140 110 | 240 55 | Petition to revive - unavoidable | |
| 141 1,280 | 241 640 | Petition to revive - unintentional | |
| 142 1,280 | 242 640 | Utility issue fee (or reissue) | |
| 143 460 | 243 230 | Design issue fee | |
| 144 620 | 244 310 | Plant issue fee | |
| 122 130 | 122 130 | Petitions to the Commissioner | |
| 123 50 | 123 50 | Processing fee under 37 CFR 1.17(q) | |
| 126 180 | 126 180 | Submission of Information Disclosure Stmt | |
| 581 40 | 581 40 | Recording each patent assignment per property (times number of properties) | |
| 146 740 | 246 370 | Filing a submission after final rejection (37 CFR § 1.129(a)) | |
| 149 740 | 249 370 | For each additional invention to be examined (37 CFR § 1.129(b)) | |
| 179 740 | 279 370 | Request for Continued Examination (RCE) | |
| 169 900 | 169 900 | Request for expedited examination of a design application | |

Other fee (specify) _____

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$) **0****SUBMITTED BY**

| | | | | | |
|-------------------|---|-----------------------------------|------------|-----------|------------|
| Name (Print/Type) | David E. Spaw | Registration No. (Attorney/Agent) | 34,732 | Telephone | 2165669700 |
| Signature |  | Date | 12/28/2001 | | |

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